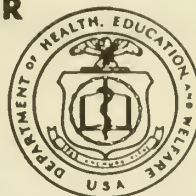


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COMMUNICABLE DISEASE CENTER

Morbidity and Mortality



Vol. 14, No. 13

WEEKLY
REPORTWeek Ending
April 3, 1965

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

EPIDEMIOLOGICAL NOTES

PARALYTIC POLIOMYELITIS

Through the week ended April 3, 5 cases of paralytic poliomyelitis have been reported in the United States. This compares to 14 paralytic cases reported during the corresponding period in 1964.

Two of the 1965 cases have been reported from Arizona and California; Minnesota and Texas have each reported one case.

There have now been 4 paralytic cases reported by Arizona since November 1964. In addition, two suspect cases are under investigation. As shown on p. 114, 5 of the 6 Arizona cases are from Pinal County where a mass immunization program utilizing Type I oral polio vaccine from the CDC epidemic reserve is currently underway. The immunization program, aimed at all those under 18

EPIDEMIOLOGICAL NOTES

Paralytic Poliomyelitis	113
Post-Infectious Encephalitis	114
Botulism - Alabama	115
Influenza	115

years-of-age, began on Sunday, April 4 and will continue through the end of the week.

(Reported by Dr. William J. Moore, Commissioner of Health, Dr. Philip Hotchkiss, Acting Director, Division of Acute Communicable Disease Control, Arizona State Department of Health and Mr. Frank R. Williams, M.S.P.H., Director, Pinal County Health Department and a team from the Communicable Disease Center.)

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

Disease	13th Week Ended		Median 1960 - 1964	Cumulative, First 13 Weeks		
	April 3, 1965	March 28, 1964		1965	1964	Median 1960 - 1964
Aseptic meningitis	42	30	27	376	345	290
Brucellosis	5	6	8	56	91	91
Diphtheria	6	2	5	59	50	134
Encephalitis, primary infectious ..	28	36	---	378	402	---
Encephalitis, post-infectious	17	23	---	185	152	---
Hepatitis, infectious including serum hepatitis	816	828	845	10,289	12,118	13,805
Measles	10,763	19,496	16,428	116,535	145,414	145,414
Meningococcal infections	120	71	54	1,137	817	716
Poliomyelitis, Total	2	2	4	6	19	76
Paralytic	1	1	3	5	14	49
Nonparalytic	1	-	---	1	4	---
Unspecified	-	1	---	-	1	---
Streptococcal Sore Throat and Scarlet fever	11,683	11,671	9,295	146,252	139,385	124,315
Tetanus	8	1	---	48	45	---
Tularemia	2	2	---	53	70	---
Typhoid fever	11	5	5	90	80	103
Rabies in Animals	125	105	80	1,267	1,031	1,011

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax: Pa.-1	3	Rabies in Man:	-
Botulism: Ala.-1	2	Smallpox:	-
Leptospirosis:	10	Trichinosis: Wisc.-1, R.I.-1	47
Malaria: Va.-1, Calif.-1	11	Typhus-	
Plague:	-	Murine:	4
Psittacosis:	6	Rky Mt. Spotted:	6

EPIDEMIOLOGICAL NOTES - Continued

PARALYTIC POLIOMYELITIS - ARIZONA

COUNTY	CITY	AGE	SEX	ONSET DATE	VACCINE STATUS		REMARKS
					IPV	OPV	
Chochise*	Douglas	4 mo.	M	11-19-64	0	0	died 11-21-64
Pinal*	Casa Grande	2 yrs.	F	12-27-65	0	0	
Pinal*	Eloy	3 yrs.	F	2-17-65	0	0	
Pinal*	Maricopa	17 mo.	F	2-19-65	1	0	Type I isolated
Pinal**	Eloy	3 mo.	F	11-12-64	0	0	died 11-13-64
Pinal**	Coolidge	2 yrs.	F	3-11-65	2	0	

*reported cases

**suspect cases

REPORTED CASES OF POST-INFECTIOUS AND POST-IMMUNIZATION
ENCEPHALITIS, EIGHT WEEK PERIOD ENDING 2/27/65

State	Mumps	Chickenpox	Measles	Rubella	Herpes Simplex	Pertussis	Influenza	Post-Immunization
Alaska	1	.....	.....	.....	.....	.....	.....	.....
California	37	3	4	.....	1	.....	.....	.....
Connecticut .....	.....	1	.....	.....	.....	.....	.....	.....
Georgia .....	.....	.....	1	.....	.....	.....	.....	.....
Illinois	4	4	.....	.....	.....	.....	.....	.....
Iowa	1	.....	.....	2	.....	.....	.....	.....
Maine .....	.....	.....	1	.....	.....	.....	.....	.....
Maryland .....	.....	1	2	.....	.....	.....	.....	.....
Michigan .....	.....	2	.....	.....	.....	.....	.....	.....
Montana .....	.....	.....	.....	1	.....	.....	.....	.....
New York								
Upstate	7	3	2	1	.....	.....	.....	.....
Pennsylvania ..	1	3	.....	.....	.....	.....	.....	.....
Rhode Island ..	5	1	3	.....	.....	.....	.....	.....
Tennessee	1	.....	.....	.....	.....	.....	.....	.....
Texas	2	.....	.....	.....	.....	.....	.....	.....
Virginia .....	.....	1	.....	.....	.....	.....	.....	.....
Washington ....	.....	1	.....	.....	.....	.....	.....	.....
U. S. Total	59	20	13	4	1	0	0	0
U.S. Cumulative								
Totals: 1965*	59	20	13	4	1	0	0	0
1964**	53	4	7	1	0	1	1	0

*Includes revised and delayed reports.

(States not reporting a case not listed.)

**Corresponding period in 1964.

BOTULISM - Alabama

A case of botulism was reported during the current week from Alabama bringing the 1965 cumulative total to 2 cases. This compares to the 6 cases reported during the corresponding period in 1964.

A 68-year-old male from Fort Payne, Alabama, drank home-canned tomato juice about 8:00 a.m., April 2. The juice was canned in August 1964 by his wife. His wife, the only other member in the household, did not drink any tomato juice.

About 24 hours later, on Saturday morning, April 3, the patient suffered nausea, vomiting, abdominal pain and double vision. He was hospitalized on Sunday morning, April 4, in Chattanooga, Tennessee, with a blood pressure of 85/50, dilated pupils, difficulty in swallowing and respiratory difficulty. A tracheostomy was performed. There was involvement of the right ninth cranial nerve and the left sixth cranial nerve. The patient was administered four 10,000 unit doses of Botulinus Antitoxin A&B between hospitalization and Monday morning and is responding to treatment.

Two pint jars of tomato juice, one from which the patient drank and also an unopened jar, are under study at the Laboratory Branch of the Communicable Disease Center.

(Reported by Dr. Cecil Tucker, Director, Division of Preventable Diseases, Tennessee Department of Public Health, and Dr. W.H.Y. Smith, Director, Bureau of Preventable Diseases, Alabama State Department of Health.)

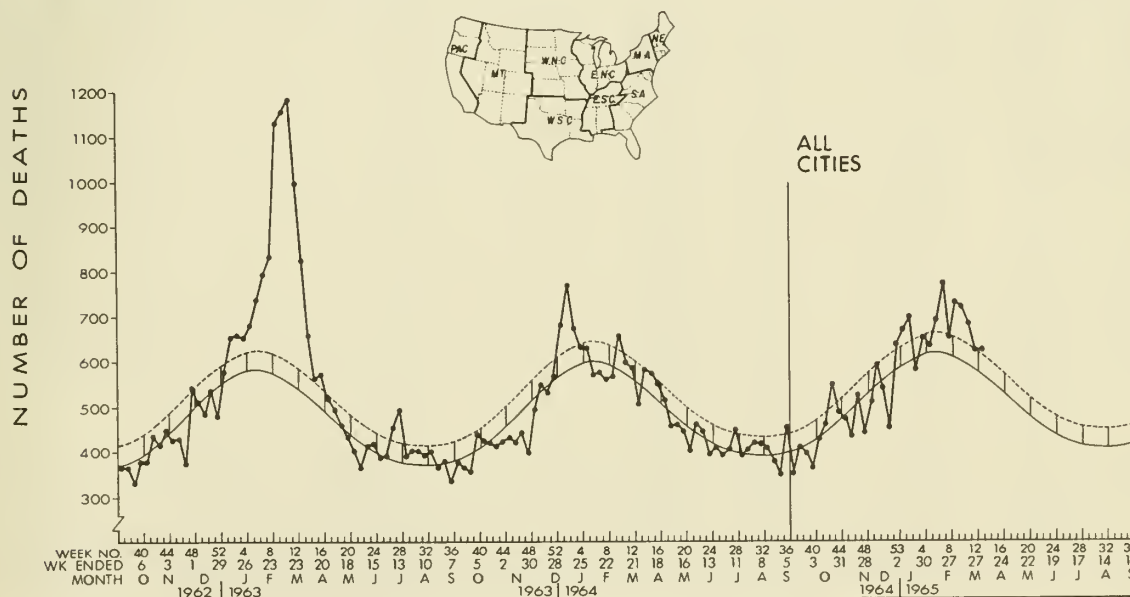
INFLUENZA

Pneumonia and influenza deaths, as reported by U.S. cities, while only slightly elevated, continue to be above the epidemic threshold for the eighth consecutive week. Since the onset of this influenza season, measurable excess mortality (pneumonia and influenza deaths) has been evident in 7 of the 9 major geographic areas. While outbreaks have generally been scattered and sporadic, there have been some States (Mass., Conn., N. J., La., and Okla.) where widespread illness has been reported. The States where excess mortality has not occurred to date are the Mountain and Pacific States. The order in which excess mortality appeared (Middle Atlantic, New England, E.N. Central, W.N. Central, W.S. Central, South Atlantic, and E.S. Central) is in accord with recognized outbreaks of influenza and/or influenza-like illness in the respective areas. Excess mortality in all of the involved areas, with the exception of the E.S. Central States, is presently either well below the epidemic threshold or rapidly declining. (See figure below).

The major city currently contributing to excess mortality is Chattanooga, an area of known influenza-like illness. Other major cities in Tennessee (Nashville, Memphis, and Knoxville) have not reported excess mortality to date, although reporting of influenza-like illness has been increased in the Memphis and Nashville area.

The general decline in influenza throughout the U.S. is manifest by the absence of any new influenza outbreaks during the past two weeks.

PNEUMONIA-INFLUENZA DEATHS IN 122 UNITED STATES CITIES



APRIL 3, 1965 AND MARCH 28, 1964 (13th WEEK)

Area	Aseptic Meningitis		Encephalitis		Poliomyelitis						Diphtheria	
			Primary	Post-Inf.	Total Cases			Paralytic				Cum.
	1965	1964	1965	1965	1965	Cumulative		1965	Cumulative			
						1965	1964		1965	1965		
UNITED STATES...	42	30	28	17	2	6	19	1	5	14	6	59
NEW ENGLAND.....	2	2	3	2	-	-	1	-	-	1	-	1
Maine.....	-	1	-	-	-	-	1	-	-	1	-	-
New Hampshire.....	-	-	-	1	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	1	1	3	-	-	-	-	-	-	-	-	1
Rhode Island.....	1	-	-	1	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	4	3	14	2	1	1	4	-	-	4	-	3
New York City.....	1	-	9	-	1	1	1	-	-	1	-	2
New York, Up-State.....	3	1	3	-	-	-	2	-	-	2	-	-
New Jersey.....	-	-	1	-	-	-	1	-	-	1	-	-
Pennsylvania.....	-	2	1	2	-	-	-	-	-	-	-	1
EAST NORTH CENTRAL...	4	5	3	2	-	-	1	-	-	1	-	3
Ohio.....	-	1	1	-	-	-	-	-	-	-	-	1
Indiana.....	-	1	-	-	-	-	-	-	-	-	-	2
Illinois.....	1	2	-	2	-	-	1	-	-	1	-	-
Michigan.....	1	1	-	-	-	-	-	-	-	-	-	-
Wisconsin.....	2	-	2	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL...	1	1	-	-	-	1	-	-	1	-	1	11
Minnesota.....	1	1	-	-	-	1	-	-	1	-	-	4
Iowa.....	-	-	-	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-	-	-	-	-	-	1
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	1	5
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	1
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	3	2	1	3	-	-	8	-	-	5	-	11
Delaware.....	-	1	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	-	-	-	-	-	-	-	-	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	3
Virginia.....	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia.....	-	-	-	-	-	-	-	-	-	-	-	-
North Carolina.....	-	-	1	-	-	-	4	-	-	1	-	1
South Carolina.....	-	1	-	-	-	-	-	-	-	-	-	-
Georgia.....	-	-	-	-	-	-	1	-	-	1	-	5
Florida.....	3	-	-	3	-	-	3	-	-	3	-	2
EAST SOUTH CENTRAL...	4	4	-	-	-	-	1	-	-	-	3	8
Kentucky.....	1	3	-	-	-	-	-	-	-	-	-	-
Tennessee.....	-	-	-	-	-	-	1	-	-	-	-	-
Alabama.....	3	-	-	-	-	-	-	-	-	-	3	7
Mississippi.....	-	1	-	-	-	-	-	-	-	-	-	1
WEST SOUTH CENTRAL...	6	3	1	3	-	1	1	-	1	1	2	18
Arkansas.....	1	-	1	-	-	-	-	-	-	-	-	1
Louisiana.....	1	-	-	-	-	-	-	-	-	-	-	2
Oklahoma.....	3	1	-	-	-	-	-	-	-	-	-	-
Texas.....	1	2	-	3	-	1	1	-	1	1	2	15
MOUNTAIN.....	3	3	1	-	-	2	2	-	2	1	-	-
Montana.....	-	-	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	2	3	-	-	-	-	1	-	-	1	-	-
New Mexico.....	-	-	-	-	-	-	1	-	-	-	-	-
Arizona.....	1	-	-	-	-	2	-	-	2	-	-	-
Utah.....	-	-	1	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	15	7	5	5	1	1	1	1	1	1	-	4
Washington.....	1	-	-	-	-	-	-	-	-	-	-	-
Oregon.....	2	-	2	-	-	-	-	-	-	-	-	1
California.....	12	7	3	5	1	1	1	1	1	1	-	3
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	-	-	-	1	6

Morbidity and Mortality Weekly Report

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
APRIL 3, 1965 AND MARCH 28, 1964 (13th WEEK) - CONTINUED

Area	Brucel- losis	Infectious Hepatitis including Serum Hepatitis					Meningococcal Infections			Tetanus	
		Total incl. unk.	Under 20 years	20 years and over	Cumulative Totals		1965	Cumulative		1965	Cum. 1965
		1965	1965	1965	1965	1964		1965	1964		
UNITED STATES...	5	816	369	381	10,289	12,118	120	1,137	817	8	48
NEW ENGLAND.....	1	52	24	28	620	1,380	7	56	25	1	3
Maine.....	-	8	5	3	129	493	-	7	2	-	-
New Hampshire.....	-	3	1	2	53	118	1	3	-	-	1
Vermont.....	-	1	-	1	36	170	-	-	-	-	-
Massachusetts.....	1	25	8	17	229	263	1	20	13	1	2
Rhode Island.....	-	11	7	4	77	60	3	10	2	-	-
Connecticut.....	-	4	3	1	96	276	2	16	8	-	-
MIDDLE ATLANTIC.....	-	127	49	78	1,806	2,726	10	152	79	1	3
New York City.....	-	33	9	24	331	382	2	23	10	-	-
New York, Up-State.....	-	42	19	23	811	1,251	2	35	28	-	1
New Jersey.....	-	31	15	16	257	470	5	52	21	-	-
Pennsylvania.....	-	21	6	15	407	623	1	42	20	1	2
EAST NORTH CENTRAL...	2	121	63	48	1,976	1,801	16	136	123	2	4
Ohio.....	-	38	16	16	613	481	5	35	39	-	-
Indiana.....	-	7	4	2	156	143	2	18	19	1	3
Illinois.....	2	34	26	7	383	289	5	35	27	1	1
Michigan.....	-	36	13	23	711	793	2	25	31	-	-
Wisconsin.....	-	6	4	-	113	95	2	23	7	-	-
WEST NORTH CENTRAL...	2	70	32	32	677	738	4	61	37	1	3
Minnesota.....	-	7	3	2	60	52	-	13	8	1	2
Iowa.....	-	25	10	12	269	108	-	1	2	-	-
Missouri.....	1	7	1	5	123	186	-	32	17	-	1
North Dakota.....	-	-	-	-	9	32	-	3	3	-	-
South Dakota.....	1	-	-	-	8	81	-	2	-	-	-
Nebraska.....	-	2	-	2	17	18	2	4	2	-	-
Kansas.....	-	29	18	11	191	261	2	6	5	-	-
SOUTH ATLANTIC.....	-	127	54	59	1,102	1,175	25	230	172	1	13
Delaware.....	-	3	1	2	48	24	-	3	2	-	-
Maryland.....	-	31	19	12	240	220	2	21	13	-	1
Dist. of Columbia..	-	1	-	1	13	25	1	4	6	-	-
Virginia.....	-	51	19	21	256	173	4	27	13	-	2
West Virginia.....	-	12	10	2	188	213	2	15	13	-	-
North Carolina.....	-	3	-	3	93	211	2	35	30	-	1
South Carolina.....	-	1	1	-	29	37	9	34	19	-	-
Georgia.....	-	1	1	-	42	26	1	32	15	-	3
Florida.....	-	24	3	18	193	246	4	59	61	1	6
EAST SOUTH CENTRAL...	-	32	21	10	803	829	14	71	71	1	9
Kentucky.....	-	4	3	1	284	371	1	26	19	-	1
Tennessee.....	-	17	11	5	326	282	3	21	28	-	3
Alabama.....	-	3	2	1	110	113	8	18	13	1	4
Mississippi.....	-	8	5	3	83	63	2	6	11	-	1
WEST SOUTH CENTRAL...	-	67	31	33	934	862	21	179	118	-	7
Arkansas.....	-	9	5	4	143	106	1	10	4	-	2
Louisiana.....	-	6	2	3	162	164	17	94	55	-	2
Oklahoma.....	-	1	-	1	31	51	1	16	3	-	-
Texas.....	-	51	24	25	598	541	2	59	56	-	3
MOUNTAIN.....	-	62	19	12	616	790	2	52	34	-	1
Montana.....	-	4	2	1	52	73	-	-	-	-	-
Idaho.....	-	23	-	-	102	62	2	7	1	-	-
Wyoming.....	-	-	-	-	24	32	-	2	1	-	-
Colorado.....	-	21	10	11	109	216	-	9	7	-	1
New Mexico.....	-	3	3	-	114	135	-	16	16	-	-
Arizona.....	-	6	-	-	120	173	-	11	2	-	-
Utah.....	-	5	4	-	90	75	-	5	1	-	-
Nevada.....	-	-	-	-	5	24	-	2	6	-	-
PACIFIC.....	-	158	76	81	1,755	1,817	21	200	158	1	5
Washington.....	-	14	7	6	145	188	1	14	14	-	-
Oregon.....	-	13	6	7	153	189	2	16	7	-	-
California.....	-	127	60	67	1,336	1,339	17	164	128	1	5
Alaska.....	-	4	3	1	109	57	1	4	5	-	-
Hawaii.....	-	-	-	-	12	44	-	2	4	-	-
Puerto Rico	-	25	17	8	298	206	-	3	13	1	9

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
APRIL 3, 1965 AND MARCH 28, 1964 (13th WEEK) - CONTINUED

Area	Measles			Strept. Sore Th. & Scarlet Fev.	Tularemia		Typhoid Fever		Rabies in Animals	
	1965	Cumulative			1965	Cum. 1965	1965	Cum. 1965	1965	Cum. 1965
		1965	1964							
UNITED STATES...	10,763	116,535	145,414	11,683	2	53	11	90	125	1,267
NEW ENGLAND.....	1,674	23,845	6,407	1,254	-	-	-	1	4	18
Maine.....	50	1,874	799	29	-	-	-	-	-	-
New Hampshire.....	9	309	119	11	-	-	-	-	-	-
Vermont.....	54	358	1,318	37	-	-	-	-	4	17
Massachusetts.....	865	13,280	1,906	167	-	-	-	1	-	-
Rhode Island.....	211	2,661	478	87	-	-	-	-	-	-
Connecticut.....	485	5,363	1,787	923	-	-	-	-	-	1
MIDDLE ATLANTIC.....	477	4,426	21,631	577	-	-	2	11	4	40
New York City.....	37	412	7,103	48	-	-	1	6	-	-
New York, up-State.....	111	1,478	4,962	354	-	-	-	3	4	38
New Jersey.....	105	800	4,977	76	-	-	1	1	-	-
Pennsylvania.....	224	1,736	4,589	99	-	-	-	1	-	2
EAST NORTH CENTRAL...	2,586	21,185	32,608	1,426	-	1	2	12	21	86
Ohio.....	539	4,638	6,247	257	-	-	-	3	15	15
Indiana.....	156	891	7,835	231	-	-	2	4	1	8
Illinois.....	71	651	6,329	249	-	1	-	1	1	23
Michigan.....	1,433	11,187	8,188	474	-	-	-	3	1	13
Wisconsin.....	387	3,818	4,009	215	-	-	-	1	3	27
WEST NORTH CENTRAL...	439	8,977	4,314	424	-	5	-	3	23	211
Minnesota.....	44	270	111	16	-	-	-	-	6	53
Iowa.....	102	4,952	1,928	116	-	-	-	-	10	70
Missouri.....	119	1,245	430	2	-	3	-	3	2	31
North Dakota.....	171	2,261	1,439	238	-	-	-	-	-	8
South Dakota.....	3	54	3	26	-	1	-	-	-	13
Nebraska.....	-	195	403	-	-	-	-	-	4	15
Kansas.....	NN	NN	NN	26	-	1	-	-	1	21
SOUTH ATLANTIC.....	951	14,370	13,384	1,591	1	20	2	22	19	204
Delaware.....	13	251	165	25	-	-	-	2	-	-
Maryland.....	56	502	1,648	324	-	-	2	8	-	2
Dist. of Columbia..	3	15	266	4	-	-	-	-	-	-
Virginia.....	123	2,101	3,570	404	-	3	-	2	13	166
West Virginia.....	423	9,139	3,176	489	-	-	-	1	2	7
North Carolina.....	4	160	491	42	1	4	-	7	-	-
South Carolina.....	64	405	1,890	27	-	3	-	2	-	-
Georgia.....	5	397	123	6	-	10	-	-	2	16
Florida.....	260	1,400	2,055	270	-	-	-	-	2	13
EAST SOUTH CENTRAL...	674	6,683	17,955	1,704	-	13	3	12	26	411
Kentucky.....	6	778	7,466	105	-	3	-	5	3	28
Tennessee.....	438	4,043	8,321	1,482	-	9	-	3	23	376
Alabama.....	141	1,356	436	-	-	1	1	2	-	7
Mississippi.....	89	506	1,732	117	-	-	2	2	-	-
WEST SOUTH CENTRAL...	1,866	16,114	23,319	825	1	9	-	13	20	214
Arkansas.....	1	781	359	2	1	5	-	5	2	31
Louisiana.....	5	35	44	11	-	1	-	2	2	42
Oklahoma.....	14	102	262	65	-	3	-	1	3	37
Texas.....	1,846	15,196	22,654	747	-	-	-	5	13	104
MOUNTAIN.....	702	9,113	6,217	1,945	-	5	1	11	4	24
Montana.....	142	2,458	1,226	75	-	1	-	-	-	3
Idaho.....	79	1,346	810	172	-	-	-	-	-	-
Wyoming.....	29	409	27	45	-	-	-	1	-	-
Colorado.....	261	1,680	944	1,218	-	-	-	-	-	-
New Mexico.....	41	335	127	212	-	-	1	7	3	3
Arizona.....	53	340	2,343	103	-	-	-	3	1	18
Utah.....	94	2,471	375	120	-	4	-	-	-	-
Nevada.....	3	74	365	-	-	-	-	-	-	-
PACIFIC.....	1,394	11,822	19,579	1,937	-	-	1	5	4	59
Washington.....	398	3,631	7,234	393	-	-	1	1	-	-
Oregon.....	193	1,764	2,198	45	-	-	-	-	-	1
California.....	560	5,115	9,171	1,415	-	-	-	3	4	58
Alaska.....	6	94	867	33	-	-	-	-	-	-
Hawaii.....	237	1,218	109	51	-	-	-	1	-	-
Puerto Rico	103	734	1,824	26	-	-	-	-	-	1

Morbidity and Mortality Weekly Report

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Table 4. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED APRIL 3, 1965

Week No. 13

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
NEW ENGLAND:	726	451	39	34	SOUTH ATLANTIC:	1,327	698	71	80
Boston, Mass.-----	218	133	8	11	Atlanta, Ga.-----	162	81	12	11
Bridgeport, Conn.-----	41	24	4	6	Baltimore, Md.-----	321	158	8	18
Cambridge, Mass.-----	39	24	-	2	Charlotte, N. C.-----	45	20	1	3
Fall River, Mass.-----	37	25	1	2	Jacksonville, Fla.-----	69	28	-	7
Hartford, Conn.-----	46	29	-	-	Miami, Fla.-----	155	80	8	4
Lowell, Mass.-----	36	24	2	1	Norfolk, Va.-----	52	28	6	2
Lynn, Mass.-----	24	15	1	1	Richmond, Va.-----	103	52	8	13
New Bedford, Mass.-----	26	18	5	-	Savannah, Ga.-----	35	15	4	2
New Haven, Conn.-----	44	28	3	2	St. Petersburg, Fla.-----	89	68	7	2
Providence, R. I.-----	71	41	3	-	Tampa, Fla.-----	81	50	10	6
Somerville, Mass.-----	10	8	-	-	Washington, D. C.-----	181	101	4	10
Springfield, Mass.-----	46	33	3	5	Wilmington, Del.-----	34	17	3	2
Waterbury, Conn.-----	29	14	2	2					
Worcester, Mass.-----	59	35	7	2	EAST SOUTH CENTRAL:	676	361	55	46
MIDDLE ATLANTIC:	3,234	1,925	147	165	Birmingham, Ala.-----	78	42	2	8
Albany, N. Y.-----	36	22	2	4	Chattanooga, Tenn.-----	81	41	17	8
Allentown, Pa.-----	28	16	1	-	Knoxville, Tenn.-----	38	23	1	-
Buffalo, N. Y.-----	127	88	4	5	Louisville, Ky.-----	132	73	14	8
Camden, N. J.-----	54	31	-	4	Memphis, Tenn.-----	153	79	8	9
Elizabeth, N. J.-----	34	22	-	1	Mobile, Ala.-----	63	28	4	8
Erie, Pa.-----	36	26	3	-	Montgomery, Ala.-----	41	20	3	1
Jersey City, N. J.-----	73	40	3	5	Nashville, Tenn.-----	90	55	6	4
Newark, N. J.-----	102	48	9	10	WEST SOUTH CENTRAL:	1,200	626	64	84
New York City, N. Y.-----	1,743	1,009	72	81	Austin, Tex.-----	35	21	6	3
Paterson, N. J.-----	38	22	1	3	Baton Rouge, La.-----	33	21	1	1
Philadelphia, Pa.-----	362	215	17	25	Corpus Christi, Tex.-----	29	15	1	2
Pittsburgh, Pa.-----	212	127	9	7	Dallas, Tex.-----	147	71	3	13
Reading, Pa.-----	53	35	2	3	El Paso, Tex.-----	55	31	3	4
Rochester, N. Y.-----	111	71	8	6	Fort Worth, Tex.-----	79	37	2	7
Schenectady, N. Y.-----	27	19	1	3	Houston, Tex.-----	220	100	9	11
Scranton, Pa.-----	35	24	2	1	Little Rock, Ark.-----	67	36	5	10
Syracuse, N. Y.-----	57	41	4	2	New Orleans, La.-----	220	107	12	18
Trenton, N. J.-----	32	20	1	1	Oklahoma City, Okla.-----	92	48	4	6
Utica, N. Y.-----	36	28	5	-	San Antonio, Tex.-----	107	64	2	2
Yonkers, N. Y.-----	38	21	3	4	Shreveport, La.-----	49	31	10	2
EAST NORTH CENTRAL:	2,721	1,555	122	177	Tulsa, Okla.-----	67	44	6	5
Akron, Ohio-----	70	38	-	4	MOUNTAIN:	452	262	32	27
Canton, Ohio-----	31	21	4	4	Albuquerque, N. Mex.-----	40	30	9	2
Chicago, Ill.-----	808	425	38	64	Colorado Springs, Colo.-----	32	25	3	3
Cincinnati, Ohio-----	175	116	8	5	Denver, Colo.-----	135	78	7	11
Cleveland, Ohio-----	190	99	3	12	Ogden, Utah-----	17	8	2	2
Columbus, Ohio-----	131	69	7	16	Phoenix, Ariz.-----	105	53	3	5
Dayton, Ohio-----	78	44	1	3	Pueblo, Colo.-----	20	13	-	-
Detroit, Mich.-----	391	218	25	33	Salt Lake City, Utah-----	48	30	4	2
Evansville, Ind.-----	40	28	2	-	Tucson, Ariz.-----	55	25	4	2
Flint, Mich.-----	42	20	-	7	PACIFIC:	1,579	925	48	76
Fort Wayne, Ind.-----	33	22	2	-	Berkeley, Calif.-----	16	11	-	-
Gary, Ind.-----	30	14	4	3	Fresno, Calif.-----	50	26	-	2
Grand Rapids, Mich.-----	50	31	7	1	Glendale, Calif.-----	45	35	-	3
Indianapolis, Ind.-----	195	113	4	8	Honolulu, Hawaii-----	49	19	-	7
Madison, Wis.-----	41	27	1	5	Long Beach, Calif.-----	64	40	1	2
Milwaukee, Wis.-----	137	87	3	3	Los Angeles, Calif.-----	498	289	24	24
Peoria, Ill.-----	30	21	2	1	Oakland, Calif.-----	100	53	1	6
Rockford, Ill.-----	26	14	2	1	Pasadena, Calif.-----	46	32	1	-
South Bend, Ind.-----	46	34	3	-	Portland, Oreg.-----	105	57	1	3
Toledo, Ohio-----	109	71	5	3	Sacramento, Calif.-----	60	32	2	2
Youngstown, Ohio-----	68	43	1	4	San Diego, Calif.-----	91	58	5	6
WEST NORTH CENTRAL:	936	567	48	62	San Francisco, Calif.-----	186	111	5	6
Des Moines, Iowa-----	55	32	4	5	San Jose, Calif.-----	42	24	3	3
Duluth, Minn.-----	22	18	2	-	Seattle, Wash.-----	146	88	4	8
Kansas City, Kans.-----	47	24	5	3	Spokane, Wash.-----	40	25	-	3
Kansas City, Mo.-----	156	104	6	8	Tacoma, Wash.-----	41	25	1	1
Lincoln, Nebr.-----	22	18	1	1	Total	12,851	7,370	626	751
Minneapolis, Minn.-----	132	80	1	5	Cumulative Totals				
Omaha, Nebr.-----	93	55	5	3	including reported corrections for previous weeks				
St. Louis, Mo.-----	267	148	12	30	All Causes, All Ages -----	174,707			
St. Paul, Minn.-----	82	50	3	2	All Causes, Age 65 and over-----	100,019			
Wichita, Kans.-----	60	38	9	5	Pneumonia and Influenza, All Ages-----	8,710			
					All Causes, Under 1 Year of Age-----	10,200			

INTERNATIONAL NOTES - QUARANTINE MEASURES

Immunization Information for International Travel
1963-64 edition—Public Health Service Publication No. 384

The following information should be added to the list of
Yellow Fever Vaccination Centers in Section 6:

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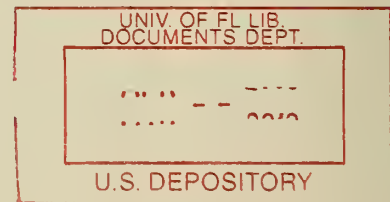
City: Carbondale, Illinois

Center: Southern Illinois University Health Service
Washington and Park
Tel: 453-3311

Clinic Hours: Tues. & Thurs., 2-5 p.m.

Fee: Yes

U. S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Communicable Disease Center
Atlanta, Georgia 30333
Official Business



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THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

SYMBOLS:---DATA NOT AVAILABLE
- QUANTITY ZERO

THE CONSTRUCTION OF THE MORTALITY CURVES IS DESCRIBED IN VOL. 14, NO. 1,

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